

## Geospatial Technician

### What is it?

A geospatial technician is a professional who collects, analyses, and interprets geographic data to create maps, models, and spatial databases. This data is crucial for various applications, including urban planning, environmental management, transportation, and disaster response. Geospatial technicians work with Geographic Information Systems (GIS), remote sensing, and other geospatial technologies to produce accurate and detailed representations of physical spaces.

### Qualifications/Experience Required:

To become a geospatial technician in the UK, a degree or HND/HNC in geography, surveying, geomatics, or a related field is typically required. Some may enter the field with a background in civil engineering, computer science, or environmental science. Proficiency in GIS software.

### What the Work Involves:

Collecting geospatial data through field surveys, remote sensing (e.g., aerial photography, satellite imagery), and GPS technology. Analysing spatial data to identify patterns, trends, and relationships between geographic elements. Creating and maintaining maps, databases, and models that represent physical spaces, using GIS software. Assisting in the design and implementation of geospatial projects, such as urban planning, environmental conservation, or infrastructure development. Interpreting geographic data to support decision-making in various sectors.

### Future Prospects – Labour Market Information:

The demand for geospatial technicians is growing, particularly as more industries recognise the value of spatial data in decision-making processes. Career opportunities are available in both the public and private sectors, including government agencies, environmental organisations, engineering firms, and technology companies.

**Average annual Salary - £24,000 to £35,000**

**Typical weekly hours – 37 to 40**

### Type of person who may be suited to this job:

This job may be suited to individuals who have a strong interest in geography, technology, and data analysis. Geospatial technicians need to be detail-oriented, with strong analytical and problem-solving skills. Proficiency in using GIS software and other geospatial technologies is essential, as is the ability to interpret and present complex data.

### Money/Wage Guide:

Entry-level geospatial technicians can expect to earn between £20,000 and £30,000 per year. With experience, salaries can rise to £30,000 to £40,000. Senior geospatial technicians or those working in specialised roles, such as in remote sensing or advanced GIS analysis, may earn £40,000 or more annually.

### Related Opportunities:

- Land Surveyor
- Urban Planner
- Environmental Consultant
- GIS Analyst

### Further Information:

Royal Geographical Society (RGS):

<https://www.rgs.org/>

Association for Geographic Information (AGI):

<https://www.agi.org.uk/>